

EVOLUTIONARY THEORY AND THE SOCIAL SCIENCES

THE CASE OF EVOLUTIONARY SOCIOLOGY

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This poster should be a meeting place for discussion, networking, critique, exchange of information, and much more.

- 2019** –
- 2010** –
- Increasing number of evolutionary sociology conferences, meetings, and workshops in Austria, Germany, USA, etc.
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- Weismann (2010): *„Dum. Desiderat einer Evolutionstheorie des Sozialen. Darwinsche Konzepte in den Sozialwissenschaften*.
- 2009** –
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- 1990** –
- Uggren/Crippen (1999): *Crisis in Sociology: The Need for Darwin*.
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- 1979** –
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- Searns/Hartfield (1979): *Human Biosociology: From Cell to Culture*.
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- E.O. Wilson (1975) *"Sociobiology. The new Synthesis"* was a challenge, threat, chance, shocker, etc. for social science.

For more than 100 years sociology largely ignored biological evolutionary theory...

- 20th century**
- R.D. Alexander, W.D. Hamilton, J.H. Smith, R. Trivers, G.C. Williams and others did relevant research on social behavior.
- Various sociological theories of the evolution of societies (e.g. Luhmann, Parsons, Ruchman).
- Various crises in sociology, e.g. political, methodological, and theoretical ones.
- Scott (1948) coined the term "Sociobiology" at a conference.
- Rise of empirical social research, methodological advancements in sociology.
- 19th century**
- Various sociological theories of the evolution of societies (e.g. Comte, Durkheim, Marx, Spencer).
- Charles Darwin (1859) *"On the Origin of Species"* changed our worldview.

Misconceptions, Misperceptions, and Prejudices

- Evolutionary behavioral science confuses correlation with causation
- Evolutionary assumptions are not testable, theories are not falsifiable
- Evolutionary hypothesis are primarily post-hoc storytelling – „just-so“ stories
- Naturalistic fallacy, racism, sexism, status-quo justification, moralistic fallacy, justification of xenophobia, justification of rape, etc.
- Natural selection has stopped for our species, so humans are no longer evolving
- Natural selection favors the survival of the species
- Genetic determinism, reductionism
- The products of evolution must be present at birth (or must emerge very early in development)
- Evolutionary psychologists think that everything is an adaptation
- If a trait is not an adaptation, it's not evolved
- Intentional maximization of fitness, confusion between individual intention and adaptation's design, selfish gene – selfish person
- Its models/findings are not relevant to my research/field
- There is no practical value of evolutionary psychology
- Theories downplay the uniqueness of individuals
- Evolutionary psychology doesn't pay enough attention to individual differences
- People are rational beings and act rationally
- Human behavior is the result of learning and socialization, not evolution
- Evolution and learning are conflicting explanations for behavior
- Ignores the role of environment or learning, nature versus nurture debate
- Culture is the most important aspect of human lives
- Evolutionary psychology does not take culture into account
- If a behavior varies across cultures, it's not a product of evolution

cf. Al-Shawaf 2018, Al-Shawaf/Chen/Huang 2018, Searns/Turner 2016, Walsh et al. 2015, Carter et al. 2010

Some Causes of Sociology's „Biophobia“

- Often sociologists think evolutionary behavioral science has a political agenda and
 - has questionable implications for gender equality
 - has questionable political implications
 - has questionable implications for racial equality
- Political attitude (left or liberal) is a barrier to accept evolutionary explanations of human behavior
- Strong „blank slate“ belief
- Anthropocentrism, vanity, humans aren't (can't be) ordinary animals
- Time scale of evolutionary theory is too large to understand
- Evolutionary perspective on human behavior is demystifying
- „Shamed incompetence“ (lack of evolutionary knowledge, training, education)
- Postmodernist worldviews
- Confusion with social darwinism
- Confusion with eugenics and race theories (Europe first half of 20th century)
- Difficulties with biological terms (e.g. cost, benefit, fitness, selfishness, strategy)

cf. Buss/van Haeften 2018, Searns/Turner 2016, Walsh et al. 2015, Perry/Mao 2015, Ellis 1996, van den Berghe 1990

Evolutionary Sociology's Prospects?

Perseus, if sociology overcomes some biases, if sociologists get training in evolutionary behavioral science theories and methods, if ...?

What can be done?

Bring evolution into sociology curricula, organize interdisciplinary workshops and meetings, establish evolutionary sociology conferences or organize joint conferences with other evolutionary behavioral sciences, ...?

Rise or fall of evolutionary sociology?

More publications recently, higher acceptance of evolutionary theory in social science, but not a big increase in evolutionary sociologists. Diversification of disciplines (e.g. neurosociology), few meetings/conferences, only one dedicated journal, ...?

Your thoughts?

Further reading

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Evolutionary Theory In The Social Sciences

Joacim Rocklöv



Evolutionary Theory In The Social Sciences:

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